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1 December 1972

Mr. Edward W. Crump
National Aeronautics and Space Administration
Goddard Space Flight Center
Greenbelt, Maryland 20771

Attention: Mr. Edward W. Crump, Code 430

Subject: Monthly Progress Report for Period Ending 1 December 1972

Contract: ERTS Image Data Compression Technique Evaluation

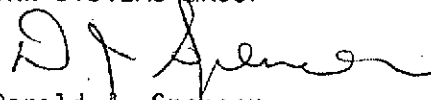
Principal Investigator: Dr. Donald J. Spencer, GSFC ID PR512

During the month of November, work continued on the TRW data compression program validation using tape ERTS E-1025-15103. Preliminary results using the SSDIA on several 5 nmi x 5 nmi sections of the tape give averaged compressed bit rates of from 1.5 to 3.8 bits per input intensity. This indicates the average bit rate for the entire scene should be less than 3.5 bits, or a compression of more than 2:1.

Several more MSS tapes were ordered corresponding to areas of interest to principal investigators, D. Landgrebe (UN127), R. Colwell (UN640), and P. Wintz of Purdue University. These tapes will form a part of our data set for Phase III data processing.

A meeting with W. Alford, E. Crump, and others at Goddard has been planned for Tuesday, 5 December 1972, to discuss preliminary results and future plans.

TRW SYSTEMS GROUP


Donald J. Spencer

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